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品质检验



Quality Inspection



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亦是一次次对未来的鞭策

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,and pursuits to perfect,harvest' Reflect Querli peoples
,EveryQuerli gained is a footprint of past
.As well as urge to the future



全力电源 20 年铸就辉煌!



企业简介 Company introduction

上海全力电器有限公司座落于上海市嘉定区胜辛南路嘉美路交叉口, 占地面积2万平方米, 建筑面积1.2万平方米, 属中国电源学会会员单位。是一家专业从事各种交直流电源研究、开发、生产、销售于一体的综合性企业。

公司创办以来, 一贯坚持“以质量求生存, 以科技求发展”的发展纲领, 不断引进和吸收国内外新技术、新工艺、新器件, 产品品质不断提高, 功能不断完善, 性能更加可靠。全力人本着“追求永无止境”的理念, 不断创新、努力开拓, 现已发展成为具有多项国内领先技术, 以高科技为基础的初具规模的电源生产基地。目前公司生产的产品主要有精密净化交流稳压电源、参数稳压器、全自动交流稳压电源、电力稳压器、微电脑无触点稳压器、直流稳压电源、UPS不间断电源、各种电源滤波器、过欠压保护器、恒压充电机、调压器、变压器等十一大系列五百多种规格, 年产各种产品达二十万台(套), 产品畅销全国一百多个城市, 部分产品远销国际市场, 深受国内外用户的好评。

Shanghai QUERLI Electrical Equipment Co., Ltd. Locates at the cross of Jiabao road, Shengxing road, Jiadingdistrict, Shanghai, it occupy land 2000m², with the building area 12000m². As member unit of China Power Source Association, it is comprehensive enterprise integrating research, development production and sales of all kinds of AC/DC power source. Since its establishment, the company has insisted on the development program of "survival on quality and development on technology" all along, successively imported and absorbed the new technology, process and parts from home and abroad, which make the quality of product improved, function perfected and performance more reliable. Adhering to the faith of endless pursuit, the company has successively got the safety certificate of China Electrical Products (Great Wall Authentication), ISO9001 international quality system authentication depending on continuous innovation and struggling exploitation. All the products have been insured against quality responsibility by the people Insurance company of China. After ten years of struggling, it has been developed into a power source production base in certain scale with many leading technology in domestic. At present, the products manufactured by our company include ten series and more than 300 specification such as precision purifying AC regulated power source, full-automatic AC regulated power source, voltage stabilizer, microcomputer non-contact voltage stabilizer, DC regulated power source, UPS uninterruptible power source, inverted power source, all kinds of charging set, voltage regulator and transformer etc, with the yearly output 100 thousand sets. The product sell well in nearly 100 cities all over the country and some of them are exported to abroad.

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小型可调直流稳定电源(WYJ系列) Adjustable DC regulated power source



概述

直流稳定电源是由隔离变压器、整流滤波电路、进口集成控制电路、功率管或模块调整电路所组成，具有体积小，重量轻，性能稳定可靠等优点，电压从零起连续可调，可串联或并联使用，直流输出纹波小，稳定度高，稳压稳流自动转换、限流式过流、短路保护和自动恢复功能，是大专院校、工业企业、科研单位及电子维修人员理想的直流稳压电源。

适用范围

适用于电子仪器设备、电器维修、实验室、电解电镀、测试、测量设备、工厂电器设备配套使用。

技术指标

额定电流	2A, 3A, 5A
输出电压	DC 0~15V、0~30V、0~60V、0~100V
源效应	CV≤0.04% CC≤0.05%
负载效应	CV≤1×10 ⁻⁴ +1mV CC≤1×10 ⁻³ +5mA
输入电压	198~250V
纹波与噪声	≤1mv rms
保护方式	电流限流式过流保护及短路保护

有单路、双路和三路输出。特殊规格可订货定制。

General

The adjustable DC regulated power source is composed of isolation transformer, rectification filter circuit, imported integrated control circuit, power tube or modular regulating circuit, with the advantages of small volume, light weight, stable performance etc. The voltage can be adjusted from zero continuously, it can be used by paralleling or in series. It has the functions of small DC output wave, high stability, auto change-over of the constant current and voltage, limited over-current, short-circuit protection and self-recovery. It is an ideal DC regulated power source for colleges and universities, research institutes and electrical repairmen.

Application

It is suitable in electronic instruments, electrical maintenance, laboratory, electrolysis and electroplating, measurement and test device, factory electrical equipment etc.

Technical Index

Rated current	2A, 3A, 5A
Output voltage	DC 0~15V、0~30V、0~60V、0~100V
Power source effect	CV≤0.04% CC≤0.05%
Load effect	CV≤1×10 ⁻⁴ +1mV CC≤1×10 ⁻³ +5mA
Input voltage	198~250V
Wave & noise	≤1mv rms
Protection	Limited over-current protection and short-circuit protection

One-way, two-way and three-way output are available. Special specification can be made according to orders.

大电流、高电压直流稳定电源(WYJ系列) WYJ series DC stabilizing power-supply



概述

WYJ系列直流稳定电源是一种从零电压到额定电压值连续可调的线性直流稳压电源。它主要由隔离变压器、可控整流预稳压电路、线路稳压电路及滤波电路等组成。电源可工作知稳压输出方式或稳流(恒流)输出方式，稳流输出时输出电流从零到额定值连续可调。该系列电源具有两路完善的自身保护电路，因而具有较高的可靠性，是大专院校、工业企业、科研部门理想的直流稳压电源。

适用范围

适用于电子仪器设备、电器维修、实验室、电解电镀、蓄电池充电、测试、测量设备、工厂电器设备配套使用。

技术指标

输入电压	单相：198~250V、三相：345~430V
额定电流	10A、15A、20A、30A、50A、70A
输出电压	0~15V、0~30A、0~60V、0~120V、0~150V、0~200V、0~300V、500V、1000A
源电压调整率	0.05%(稳压状态)、≤0.08%(稳流状态)
负载调整率	0.1%(稳压状态)、≤0.2%(稳流状态)
纹波与噪声	≤6mV RMS
保护方式	电流限流式过流保护及短路保护

Technical Index

Input voltage	Single-phase: 198~250V、Three-phase: 345~430V
Rated current	10A、15A、20A、30A、50A、70A
Output voltage	0~15V、0~30A、0~60V、0~120V、0~150V、0~200V、0~300V、500V、1000V
Voltage adjustable rate	0.05% stabilizing voltage stage、≤0.08% stabilizing voltage stage
Load adjustable rate	0.1% stabilizing voltage stage、≤0.2% stabilizing voltage stage
Wave & noise	≤6mV RMS
Protection	Limited over-current protection and short-circuit protection

其它电流电压规格均可定制

General

WYJ series DC stabilizing power-supply is a kind of continuously adjustable linear DC voltage stabilizing power-supply for zero voltage to rated voltage value. It is mainly composed of by disconnection transformer, controlled rectifier pre-stabilizing voltage circuit, linear voltage stabilizing circuit and filtering circuit. The power-supply can be working under constant voltage output way or constant current output way. When it adopted the constant current output way, the output current can be adjusted from zero to rated value. This series power supply has two routes of complete protection circuits, so it has good reliability and is ideal DC voltage stabilizing power-supply for colleges, factories and science offices.

Application

It is suitable in electronic instruments, electrical maintenance, laboratory, electrolysis and electroplating, measurement and test device, factory electrical equipment etc.

WYJ 系列大功率直流稳定电源 series high-power DC stabilized power supply



概述

WYJ系列大功率直流稳定电源为三相或单相交流输入，高精度、高稳定度直流输出，电流电压从0至额定值任意调节，可恒流也可恒压输出，恒流恒压自动切换。最大功率可达200KW。具有良好的电气性能、高可靠性和完善的保护功能，操作简便，工频电路无高频辐射干扰，低纹波，适用于直流电机、电器老练、测试和电解电镀及电瓶充电等任何直流供电的场合。

适用范围

适用于电子仪器设备、电器维修、实验室、电解电镀、蓄电池充电、测试、测量设备、工厂电器设备配套使用。

技术指标

输入电压	380V ± 10%或220V ± 10% 50Hz	
输出额定电流	100A, 200A, 300A	400A, 500A
输出电压	0~15V, 30V, 60V, 120V, 200V, 300V	0~15V, 30V, 60V, 120V
电源效应	CV ≤ 0.08%; CC ≤ 0.09% (输出为最高电压和最大电流时)	
负载效应	CV ≤ 0.12%; CC ≤ 0.16% (输出为最高电压和最大电流时)	
纹波与噪声	≤ 10m RMS	
保护方式	电流限流式过流及短路保护	
显示方式	电流电压同时LED数码显示	

Technical Index

Input voltage	380V ± 10%或220V ± 10% 50Hz	
Rated current	100A, 200A, 300A	400A, 500A
Output voltage	0~15V, 30V, 60V, 120V, 200V, 300V	0~15V, 30V, 60V, 120V
Power source effect	CV ≤ 0.08%; CC ≤ 0.09% (When outputting max voltage and max current)	
Load effect	CV ≤ 0.12%; CC ≤ 0.16% (When outputting max voltage and max current)	
Wave & noise	≤ 10V RMS	
Protection	Current limiting type over-current and short-circuit protection	
Display mode	LED displays current and voltage synchronously	

其它电流电压规格均可定制

固定输出直流稳压电源 Fixed output DC regulated power source



概述

固定输出直流稳压电源是由隔离变压器降压、桥式整流、大容量电容滤波和功率管或大功率模块调整稳压电路及保护电路组成，具有输出电流足、纹波小、稳定度高、性能稳定可靠、限流式过流保护和自动恢复功能，可长期连续工作。

适用范围

适用于实验室、工业控制、通信设备、电器维修、电瓶充电、电触电镀等任何需要直流供电的场合。

技术指标

输出电压	DC12V, 24V, 48V, 60V, 110V任意 < 1000V电压	
输出电流	2A, 3A, 5A, 10A, 15A, 20A, 30A, 50A, 80A, 100A, 200A, 300A	
输入电压	220V ± 10%	
电源效应	CV ≤ 1 × 10 ⁻⁴ + 0.5mV CC ≤ 1 × 10 ⁻³ + 0.3mA	
负载效应	CV ≤ 1 × 10 ⁻⁴ + 1mV CC ≤ 1 × 10 ⁻³ + 5mA	
纹波	CV ≤ 1mv rms	
大电流	CV ≤ 10mv rms	

General

The fixed output DC regulated power source is composed of isolation transformer, bridge rectifier, large capacity filter, power tube or big power modular regulating circuit, protective circuit, it can work continuously for a long time with the function of sufficient output current, small wave, high stability, reliable performance, limited over-current protection and self-recovery.

Application

It is available for and places that requires DC power supply as laboratory, industrial control, telecommunication, electrical maintenance, accumulator charging, electrolysis and electroplating etc.

Technical Index

Output voltage	DC12V, 24V, 48V, 60V, 110V任意 < 1000V电压	
Output current	2A, 3A, 5A, 10A, 15A, 20A, 30A, 50A, 80A, 100A, 200A, 300A	
Input voltage	220V ± 10%	
Power source effect	CV ≤ 1 × 10 ⁻⁴ + 0.5mV CC ≤ 1 × 10 ⁻³ + 0.3mA	
Load effect	CV ≤ 1 × 10 ⁻⁴ + 1mV CC ≤ 1 × 10 ⁻³ + 5mA	
Wave	CV ≤ 1mv rms	
Large current	CV ≤ 10mv rms	

精密净化交流稳压电源系列(JJW) JJW series precision purifying AC regulated power source



概述

JJW 系列精密净化交流稳压电源，采用了国际上先进的正弦能量分配程式的电源调节技术，代表了交流稳压技术的最新发展水平。其电路由正弦能量分配器和大功率滤波器并联组成。具有稳压精度高、过载能力强、可靠性好、抗干扰能力强、效率高，可长期连续工作，使用寿命长等优点，是取代614系列电子式稳压器和磁饱和稳压器的理想换代产品。它能提供一个安静无声、安全可靠的良好工作环境。

适用范围

适用于电脑网络工程、电子仪器设备、医疗设备、科研单位、测试、测量设备、工厂校验台等设备配套使用。

技术指标

输入稳压范围	180~260 ± 3%
输入适用范围	160~280V
频率	50Hz ± 5%
输出电压	220V ± 0.5%
源电压效应	≤ ± 0.5%
负载效应	≤ ± 1%
波形失真	≤ 5%(附加)
响应时间	≤ 50ms
效率	≥ 92%(满载)
尖峰吸收	输入3000V/3 μ S 尖峰输出 ≤ 30V
音频噪声	≥ 50db
过压报警保护	≤ 246V ± 4v(输出)

型号尺寸重量 Model Dimension and Weight

型号 Model	输出容量 Output capacity	体积 cm ³ (长 × 宽 × 高) Volume cm ³ (L × W × H)	净重 Net weight	毛重量 kg Weight kg
JJW-1	1KVA	34 × 17 × 28	12	12.6
JJW-2	2KVA	40 × 19 × 34	18	19
JJW-3	3KVA	41 × 20 × 36	22	23
JJW-5	5KVA	46 × 23 × 43	31	39
JJW-10	10KVA	50 × 25 × 49	47	56
JJW-15	15KVA	60 × 28 × 52	57	72
JJW-20	20KVA	60 × 28 × 52	59	74

注：特殊电压要求和特殊功率都可定制。Note: Special requirements and power can be customer-made.

精密净化三相交流稳压电源系列(SJJW) JJW series precision purifying three-phase AC regulated power source



概述

SJJW 系列精密净化三相交流稳压电源是由JJW系列单相电源通过“星形”接法组合而成，因此具有单相电源的全部优点，是生产企业、科研单位和医疗卫生领域、各种测试设备、测量设备、电子仪器设备配套的理想稳压电源。

适用范围

适用于电脑网络工程、电子仪器设备、医疗设备、科研单位、测试、测量设备、工厂校验台等设备配套使用。

技术指标

输入稳压范围	310~450 ± 3%
输入适用范围	280~480V
频率	50Hz ± 5%
输出电压	相电压：220V ± 0.5%，线电压：380±1%
源电压效应	≤ ± 0.5%
波形失真	≤ ± 5%(附加)
响应时间	≤ 50ms
效率	≥ 92%(满载)
尖峰吸收	输入3000V/3 μ S 尖峰输出 ≤ 30V

型号尺寸重量 Model Dimension and Weight

型号 Model	输出容量 Output capacity	体积 cm ³ (长 × 宽 × 高) Volume cm ³ (L × W × H)	净重 Net weight	毛重量 kg Weight kg
SJJW-3	3KVA	52×33×76	45	57
SJJW-6	6KVA	52×33×76	60	71
SJJW-9	9KVA	52×33×76	70	80
SJJW-15	15KVA	57×35×90	92	105
SJJW-20	20KVA	70×42×110	130	150
SJJW-30	30KVA	70×42×110	159	180
SJJW-50	50KVA	70×65×110	200	230

注：特殊电压要求和特殊功率都可定制。Note: Special requirements and power can be customer-made.

单相高精度全自动交流稳压电源系列DJW(SVC) DJW(SVC) series single-phase high accuracy full automatic AC regulated power source



概述

高精度全自动交流稳压电源是由伺服电机、控制电路、自耦调压器(或加补偿变压器)所组成,具有体积小、重量轻、效率高、稳压范围宽、无波形失真等优点。全部产品设有有过压(欠压)保护、延时(选择)保护和故障保护,电压双向指示,功能更完善、更安全可靠。广泛适用于家庭用电和工农业生产、科学研究和医疗卫生领域。是目前性价比最高的一类稳压电源。

适用范围

适用于电脑网络工程、家用电器、医疗设备、科研单位、测试、测量设备、工厂校验台等设备配套使用。

技术指标 Technical Index

规格 Specification	0.5~3KVA	5~10KVA	15~40KVA
输入电压 Input voltage	140~260V	150~250V	170~270V
输出电压 Output voltage	220V ± 3%和110V ± 3%	220V ± 3%可有110V	220V ± 3%
过压保护值 Over-voltage protection value	246 ± 4V		
延时 Time delay	长 5 ± 2 分短 3 秒 Long 5 ± 2min short 3 secs		
效率 Efficiency	> 95%		

型号尺寸重量 Model Dimension and Weight

型号 Model	输出容量 Output capacity	体积 cm ³ (长 × 宽 × 高) Volume cm ³ (L × W × H)	净重 Net weight	毛重量 Weight kg
DJW-500	2.3A	17 × 19 × 13.5	4.2	4.5
DJW-1000	4.5A	20 × 21.5 × 16	5.8	6.1
DJW-1500	6.8A	20 × 21.5 × 16	6.2	6.5
DJW-2000	9A	24 × 29 × 20	9.3	9.6
DJW-3000	13.5A	24 × 30 × 23	12	12.5
DJW-5000	22.5A	37 × 22 × 35	21.5	22
DJW-7.5KVA	32A	37 × 22 × 35	23	23.5
DJW-10KVA	40A	40 × 24 × 39	26	32
DJW-15KVA	60A	38.5 × 34 × 65	50	59
DJW-20KVA	80A	38.5 × 34 × 76	53	66
DJW-30KVA	120A	50 × 41 × 106	100	117
DJW-40KVA	160A	51 × 50 × 91	110	133

三相分调式全自动交流稳压电源系列(SJW) SJW series three-phase separated regulated full automatic AC regulated power source



概述

SJW 系列三相分调式全自动交流稳压器是由三组 DJW单相稳压器通过星形接法组合而成。具有过压保护、延时输出、故障保护、缺相保护等功能,适用于任何三相设备的稳压供电和保护,也适用于小型企业用电的全方位稳压保护。

适用范围

适用于工业仪器设备、医疗设备、电脑网络、电梯及小型企业全方位稳压供电。

技术指标

规格	1.5~9KVA	15~30KVA	45~60KVA
输入电压	线电压250~450V	线电压270~430V	线电压295~460V
输出电压	三相平衡、相电压 220V ± 3%、线电压 380V ± 3%		
过压保护值	相电压 246 ± 4V、线电压 425V ± 7V		
延时时间	约 3 秒		
效率	≥ 95%		

型号尺寸重量 Model Dimension and Weight

型号 Model	输出容量 Output capacity	体积 cm ³ (长 × 宽 × 高) Volume cm ³ (L × W × H)	净重 Net weight	毛重量 kg Weight kg
SJW-1.5KVA	2.3A	卧式(台式) 48.5 × 31.5 × 16	17	19
SJW-3KVA	4.5A		21.5	23
SJW-4.5KVA	6.8A		23	25
SJW-6KVA	9A	33 × 28 × 67	28.5	38
SJW-9KVA	13.5A	33 × 32 × 76	37	45
SJW-15KVA	22.5A	37 × 35 × 97	69	82
SJW-20KVA	30A	37 × 36 × 97	74	87
SJW-30KVA	40A		82	95
SJW-45KVA	60A	70 × 65 × 116	155	170
SJW-60KVA	76A		164	180

单相高精度交流稳压电源系列(SVC系列) SVC series three-phase separated regulated full automatic AC regulated power source



概述

高精度全自动交流稳压电源是由伺服电机、控制电路、自耦调压器(或加补偿变压器)所组成,具有体积小、重量轻、效率高、稳压范围宽、无波形失真等优点。全部产品设有有过压(欠压)保护、延时(选择)保护和故障保护,电压双向指示,功能更完善、更安全可靠。广泛适用于家庭用电和工农业生产、科学研究和医疗卫生领域。是目前性价比最高的一类稳压电源。

适用范围

适用于电脑网络工程、家用电器、医疗设备、科研单位、测试、测量设备、工厂校验台等设备配套使用。

技术指标

规格 Specification	0.5~3KVA	5~10KVA
输入电压 Input voltage	145~260V	150~240V
输出电压 Output voltage	220V ± 3% 和 110V ± 3%	220V ± 3% 可有 110V
过压保护值 Over-voltage protection value	246V ± 4V	
延时时间 Delaying time	长 5 ± 2 分 短 3 秒 Long 5 ± 2 min short 3 secs	
效率 Efficiency	> 95%	

型号尺寸重量 Model Dimension and Weight

型号 Model	输出容量 Output capacity	体积 cm³(长×宽×高) Volume cm³(L×W×H)	净重 Net weight	毛重量 kg Weight kg
SVC-500	2.3A	17 × 19 × 14	4	4.3
SVC-1000	4.5A	21 × 20.5 × 15.5	5.8	6.1
SVC-1500	6.8A	21 × 20.5 × 15.5	6	6.4
SVC-2000	9A	24 × 29 × 19	8.7	9.2
SVC-3000	13.5A	30 × 22.5 × 23	11.5	12
SVC-5000	22.5A	32.5 × 22 × 30	14.7	15.2
SVC-8KVA	34A	37 × 22 × 35	21.8	26
SVC-10KVA	40A	37 × 22 × 35	22.5	27

General

The high accuracy full automatic AC regulated power source is composed of servo motor control circuit compensator(or compensated transformer). It has advantages of small volume light weight high efficiency wide voltage stabilizing range, no waveform distortion etc. All products are provided with over-voltage /under-voltage protection, delay (selective) protection, error protection and voltage two-way indication, which makes the function of the product more perfect and reliable. It is widely used in the fields of domestic appliance, industry and agriculture production, scientific research, medicine and health, it is a kind of regulated power source with the highest ratio of performance to price at present.

Application

It is suitable in computer network project, electronic instruments, armarium, research institute, measurement and test device, factory test board and so on.

伺服式交流稳压器系列(TSD) TSB series servo AC voltage stabilizer



概述

TSD 系列伺服式交流稳压器是由DJW系列高精度稳压器经过改装而成的新产品,采用内装式电机,双集成控制、具有过压保护及延时保护功能,体积更小、功能更完善;采用火表式接线,挂壁式按装,造型新颖,使用方便。

适用范围

适用于家用电器、工业小型设备、医疗设备、办公设备较理想的配用电源。

技术指标

输出电压	220V ± 3% 110V ± 4%
频率	50~60Hz
延时时间	短 3 秒 长 4~6 分钟
调压速度	> 15V/分钟
输出过压保护值	246±3V
温升	小于 60℃(满负荷条件下)
耐压	符合部颁标准

型号尺寸重量 Model Dimension and Weight

型号 Model	输出容量 Output capacity	输出电流 Output current	输入电压 Input voltage	体积 cm³(长×宽×高) Volume cm³(L×W×H)	净重 Net weight	毛重量 Weight kg
TSD-3000	3000VA	13.5A	140~260V	40×26×19	10.7	11.5
TSD-4000	4000VA	18A	140~260V	40×26×19	12.5	13.5
TSD-5000	5000VA	22.5A	150~250V	44×28×17	18	19
TSD-7500	7500VA	34A	160~250V	44×28×17	19	20
TSD-10000	10000VA	40A	160~250V	50×30×19	22	26

General

TSD series servo AC voltage stabilizer is a reformed product from DJW series high accuracy voltage stabilizer. Adopting built-in motor and double integration control, it has the functions of over/undervoltage protection, over-current alarm and protection, delay protection etc. with smaller volume and more perfect performance. The watt-hour meter style wiring and wall installation mean make it more novel and convenient to use.

Application

It is an ideal supporting power source for domestic appliance, small industrial equipment, armarium and office equipment etc.

Technical Index

Output voltage	220V ± 3% 110V ± 4%
Frequency	50~60Hz
Delaying time	Short 3 see. Long 4~6min
Regulating speed	> 15V/min
Output over-voltage protection value	246 ± 3V
Temperature-rise	Less than 60℃(Under full load)
Withstand voltage	Confirms to the standard issued by the ministry

全自动补偿式电力稳压器系列DBW(单相)SBW(三相) DBW(single-phase)SBW (three-phase)series full automatic compensated voltage stabilizer



概述

该系列大功率电力稳压器是我公司吸取西欧先进技术精心研制的节能型新产品，设有手动、自动双重控制，市电直接输出和稳压输出两套系统，具有过压、欠压、延时、故障保护功能，安全可靠，适应任何性质负载。

主要性能

输入电压：三相四线制。相电压170V~270V，线电压304V~450V
输出电压：三相四线制，相电压220V ± 3%，线电压380V ± 3%
响应时间：≤ 1S
波形：无波形失真

适用范围

适用于工矿企业、酒店宾馆、邮电通讯等任何大功率用电部门的全方位稳压和单机配套稳压供电的理想电源。

型号尺寸重量 Model Dimension and Weight

型号 Model	体积 cm³(长×宽×高) Volume cm³(L×W×H)	净重量 kg Weight kg
SBW-30KVA	单柜 57 × 80 × 132 Single cabinet	220
SBW-50KVA		260
SBW-80KVA		300
SBW-100KVA	单柜 64 × 85 × 146 Single cabinet	380
SBW-150KVA		530
SBW-180KVA		580
SBW-200KVA	单柜 75 × 105 × 175 Single cabinet	600
SBW-225KVA		680
SBW-250KVA		710
SBW-300KVA	单柜 80 × 105 × 185 Single cabinet	820
SBW-320KVA		850
SBW-350KVA		900
SBW-400KVA	单柜 95 × 120 × 206 Single cabinet	1000
SBW-450KVA		1200

General

This series large power voltage stabilizer is an energy-saving new product developed by our company by absorbing the advanced technology of western Europe. It is provided with two systems of manual/automatic dual control, direct output and stabilizing output, with the functions of over/under-voltage protection, delay and error protection etc, it is reliable and suitable for any load.

Main property

Input voltage: three-phase four-wire, phase voltage 170V~270V line voltage 304V~450V
Output voltage: three-phase four-wire, phase voltage 220V ± 3% line voltage 380V ± 3%
Response time: ≤ 1s
Waveform: no waveform distortion

Application

It is an ideal power source for any big power consumption department like the industrial and mining enterprise hotels and telecommunications etc. that need overall regulating and single-unit regulated power supply.

型号 Model	体积 cm³(长×宽×高) Volume cm³(L×W×H)	净重量 kg Weight kg
SBW-500KVA	双柜 80 × 120 × 200 Double cabinet	1300
SBW-600KVA		1600
SBW-700KVA		1800
SBW-800KVA	四柜 80 × 120 × 200 Four cabinet	2000
SBW-1000KVA		2430
DBW-50KVA		250
DBW-100KVA	单柜 70 × 100 × 180 Single cabinet	400
DBW-150KVA		690
DBW-180KVA		720
DBW-200KVA	单柜 80 × 120 × 2000 Single cabinet	770
DBW-250KVA		830
DBW-350KVA		880
DBW-400KVA	双柜 80 × 120 × 200 Double cabinet	950

三相分调补偿式电力稳压器(SBW-F 系列) The three-phase adjustable compensated powervoltage stabilizer(SBW-F series)



概述

三相分调补偿式电力稳压器(SBW-F系列)是由三台单稳压器通过“星形”接法组合而成。具有三相独立稳压功能，适合三相电压输入不平衡或三相负载不平衡环境。而且有电压调节平稳、稳压精度高、三相输出自动平衡等优点。

该系列稳压器调压部分采取双柱调压，设计新颖，其优点是功率更足，可靠性更高。

适用范围

广泛用于工业企业、邮电通讯、学校机关、酒店宾馆等任何大功率用电部门的全方位稳压供电和单机稳压供电。

技术指标 Technical Index

输入电压 Input current	三相四线制、相电压220V ± 20%、线电压 380V ± 20% Phase voltage: 220V ± 20%, line voltage 380V ± 20%
输出电压 Output voltage	相电压 220V、线电压 380V Phase voltage: 220V , line voltage 380V
输出精度 input precision	± 3%
响应时间 respond time	≤ 1S (电压变化10% 时) when the voltage vary for 10%
波形 waveform	无波形失真 Waveform distortion
电气强度 electric intensity	耐压 > 2000VAC 1分钟无击穿及闪络 Voltage withstand > 2000VAC
保护功能 protection property	具有过压、欠压、过流缺相及故障保护 property Protection against over-voltage, under voltage, over current, phase-loss and fault.
负载适应性 load adaptability Apply	阻性、感性、容性等场合均适应 to resistance, sensitivity, capacity



General

The three-phase adjustable compensated powervoltage stabilizer (SBW-F series) is composed of three sets of signal-phase voltage stabilizer by star connection. With the function of three phases independently voltage-stabilizing, it applies to the unbalanced input voltage of three phases of unbalanced three, phase loads. Moreover, it has the functions such as voltage regulating stability, high voltage stabilizing precision, and auto-balance of three phases,

The regulating voltage parts of this series voltage stabilizer is adopted the pillar. Therefore, it has more power and more reliability.

Application

It is widely used in the place with large electricity demands such as factories, post & communication, schools, hotel, etc. Acted as whole voltage-stabilizing or single voltage-stabilizing

TDGZ、TSGZ系列单、三相大功率柱式电动调压器
TDGZ、TSGZ series single-phase and three-phase high power post type electric voltage regulators



概述

TDGZ、TSGZ系列单、三相大功率柱式电动调压器是本公司根据市场需求自行开发、设计、生产的大功率调压器。它采用进口矽钢片，电机链条传动，柱式平稳调节，操作轻松灵活，还可远距离操控。输出电压可以从零伏起调，瞬时过载能力强，空载电流、空载损耗小，效率高，使用寿命长，无波形失真。适应各种负载使用。

General

TDGZ、TSGZ series single-phase and three-phase high power post type electric voltage regulators that are developed, designed and produced according to market demand. They adopt import silicon steel sheet, are driven by motor, can adjust stably in the post type, it is flexible and comfortable to operate them, besides, they can control in a far distance. With many advantages as follows: the output voltage may be adjusted from 0 volt, strong instantaneous overload capability, low no-load current and no-load consumption, high efficiency, long service life, no waveform distortion and so on, they can be used kinds of loads.

技术指标 Technical Index

输入电压	单相220V、三相380V
输出电压	单相0~250V、三相0~430V
频率	50Hz、60Hz

注：输入输出电压也可以根据用户要求定制。

型号规格 Technical Index

型号	规格(KVA)	输入电压(V)	输出电压(V)	额定电流(A)
TDGZ	20KVA	220V	0~250V	80A
	30KVA			120A
	40KVA			160A
	50KVA			200A
	60KVA			240A
	80KVA			320A
	100KVA			400A
	120KVA			480A
	150KVA			600A
	180KVA			720A
TSGZ	30KVA	380V	0~430V	40A
	50KVA			67A
	60KVA			80A
	80KVA			106A
	100KVA			133A
	120KVA			160A
	150KVA			200A
	180KVA			240A
	200KVA			267A
	250KVA			330A

逆变电源(QLN)
QLN inverted power source



概述

本逆变电源采用脉宽调制集成电路和进口大功率MOS管或推动模块。具有应变快，抗干扰、自动稳频稳压、空载损耗低，效率高、性能可靠，逆变充电可自动也可手动转换，是风力发电站、太阳能发电站配套、野外无电场合和经常停电地区提供交流电的理想设备。

General

Adopting pulse width modulation integrated circuit and imported big power pushing module, this inverted power source has the features of quick reaction, interference-proof, auto frequency and voltage stabilized, low consumption of empty load, high efficiency and reliable performance. The inverted charging can be changeover by manual or automatically. It is an ideal equipment to provide AC power to these areas where is without electricity or the electric supply is often interrupted, also it can be used as a supporting to the wind/solar generating plant.

适用范围

适用于家用电器、电脑、传真机、风力发电站、太阳能发电站及野外作业和经常停电地区的交流供电。

Application

It is suitable to provide electricity to domestic appliance, computer, fax, wind/solar generator, outdoor operation and these areas where often has power interruption.

$$\text{逆变维持时间T(小时)} = \frac{\text{电瓶容量(Ah)} \times \text{电瓶电压(V)}}{\text{负载功率(W)}} \times 85\%$$

$$\text{Invert maintaining time(hour)} = \frac{\text{Battery capacity(Ah)} \times \text{battery(V)}}{\text{Loading Power(W)}} \times 85\%$$

充电电流：视电瓶容量而定，一般为电瓶容量的10%，如100AH 电瓶充电电流为10A。

Charging current: determined by the battery capacity. Usually is 10% of the battery capacity. For example, the charging current of 100Ah battery is 10A.

技术指标

额定功率	QLN-500W/1000W/1500W/2000W/3000W/4000W/5000W
直流输入电压	12V、24V、48V、60V
逆变输出电压	220V ± 10%
逆变输出频率	50Hz ± 5Hz 方波
充电市电电压	220V ± 20%
逆变效率	≥80%
工作方式	长期连续工作
充电电流	可调节

Technical Index

Rated Power	QLN-500W/1000W/1500W/2000W/3000W/4000W/5000W
DC input voltage	12V、24V、48V、60V
Inverted output voltage	220V ± 10%
Inverted output frequency	50Hz ± 5Hz Square wave
Charging voltage	220V ± 20%
Invert frequency	≥80%
Operation mode	Continuously for long period
Charging current	Adjustable

恒流恒压充电机(QLC) QLC automatic charging sets



概述

本公司生产QLC系列恒流恒压充电机主要由隔离变压器、桥式可控整流器和充电控制电路所组成。充电电流无级调节，蓄电池初始充电时采用恒流充电方式，当蓄电池即将充满时充电机自动转为恒电压充电方式，直到充满为止。该机具有结构简单、使用方便、体积小等特点，广泛用于各种电瓶的充电。

适用范围

适用于用于矿灯电瓶、蓄电池厂、电动车、UPS等各种蓄电池的充电。

技术指标

输入市电	220V 或 380V(三相) $\pm 10\%$
充电电流	5A, 10A, 20A, 50A, 80A, 100A, 200A, 300A
充电电压	12V, 24V, 36V, 48V, 60V, 72V, 110V, 120V, 220V
工作频率	50, 60Hz
转换效率	$\geq 90\%$
工作方式	长期连续工作
标准充电	10% 的电瓶容量最佳

可根据用户要求定制特殊规格的充电机
Special specifications can be made according to orders.

General

QLC series constant current & constant voltage auto-electrified machine manufactured by our company is mainly composed of disconnection transfo-mer/bridge type controlled rectifier and electrified control circuit. It adjusts the electrified current with on grade: when storage cell is first electrified, it ad-apted constant current electrified way and as it is about to be full, it changed into current voltage electrified until it is full. The machine has the characteristics of simple framework, small volume, and convenient use and is widely used in various jar electrification.

Application

It is available in charging of various accumulator as miner light battery, battery plant、electric motor car, UPS, etc.

Technical Index

Input voltage	220V or 380V(three-phase) $\pm 10\%$
Charging current	5A, 10A, 20A, 50A, 80A, 100A, 200A, 300A
Charging voltage	12V, 24V, 36V, 48V, 60V, 72V, 110V, 120V, 220V
Operating frequency	50, 60Hz
Changeover	$\geq 90\%$
efficiency	Continuously for long period
	10% of the battery capacity is best

硅整流充电机(GCA系列) Silicon rectifier charger (GCA Series)



概述

GCA系列充电机是由隔离变压器、整流器件、电压转换和充电电流调节开关所组成。是一种简易型充电机。市电通过隔离变压器降压后经桥式整流（或全波整流）为脉动直流电对电瓶充电，充电时需要人工选择充电电压和电流。具有结构简单可靠、经济实用的特点。适用于对铅酸蓄电池的充电。

技术指标

输入电压	220V $\pm 10\%$
充电电压	12V/24V/48V/60V
充电电流	10A/20A/30A/50A/80A
工作频率	50-60Hz
最佳充电电流	电瓶容量的10%(A)

General

GCA series charger is composed of an isolation transformer, rectifier, voltage conversion and charging currentRegulating switch. Is a simple type of charger. City electricity through isolation transformer afterBridge rectifier (or full wave rectifier) for pulsating direct current to the battery charging, charging need artificial selectionSelection of charging voltage and current. Has the advantages of simple structure, reliable, economical and practical features. Suitable for leadAcid accumulator charging.

Technical Index

Input voltage	220V $\pm 10\%$
Charging voltage	12V/24V/48V/60V And so on
Charging current	10A/20A/30A/50A/80A And so on
Working frequency	50-60Hz
The optimum charging current	The capacity of a battery of the10%(A)

接触式调压器 Voltage Regulator



概述

本系列调压器是由进口硅钢片制作的节能型新产品。可连续调节输出电压 (单相 0~250V、三相 0~430V)，具有无波形失真、体积小、重量轻、效率高、使用方便、运行可靠等特点。

适用范围

适用于工业、科学实验、公用设施及家用电器中，以实现调压、控温、调速、调光和功率控制等目的。

技术指标

相数	1	3
额定频率(Hz)	50	50
额定输入电压(V)	220	380
输出电压范围(V)	0~250	0~430

型号尺寸重量 Model Dimension and Weight

型号 Model	额定容量 Rated capacity(KVA)	额定输出电流 Rated output current(A)
TDGC2M-0.5	0.5	2
TDGC2M-1	1	4
TDGC2M-2	2	8
TDGC2M-3	3	12
TDGC2M-5	5	20
TDGC2M-10	10	40
TDGC2M-15	15	60
TDGC2M-20	20	80
TDGC2M-30	30	120

General

This series energy-saving voltage regulator are made of imported silicon steel, it can successively adjust the output voltage(single-phase 0~250V, three-phase 0~430V), with the features of no waveform distortion, small volume, light weight, high efficiency, convenient use reliable performance and so on.

Application

It can be applied in industry, scientific experiment, public facilities and domestic appliances to achieve the goal of voltage regulating, temperature controlling, light regulating, power controlling and so on.

Technical Index

Phase No	1	3
Rated input voltage	50	50
Rated input voltage	220	380
Input voltage range	0~250	0~430

型号 Model	额定容量 Rated capacity(KVA)	额定输出电流 Rated output current(A)
TDGC2M-3	3	4
TDGC2M-6	6	8
TDGC2M-9	9	12
TDGC2M-15	15	20
TDGC2M-20	20	27
TDGC2M-30	30	40

SG(SBK、ZAG、ZSG)三相干式隔离变压器、升降变压器、自耦变压器、特种变压器 SG(SBK、ZAG、ZSG)Three-phase dry-type isolation transformer, step transformer, compensator and special transformer



概述

上海全力公司生产的各种隔离变压器和自耦变压器为用户室内空气自冷式，适用于交流主50Hz，电压1000V以下的电路中，广泛用于照明、机床电器、机械电子设备、整流装置的供电电源。

所有变压器的输出电压和输入电压任意制作。相数有单相和三相或三进单出、三进双出等特种规格，额定功率最大至500KVA。

适用范围

适用于电子仪器设备、机床电器、安全照明、整流装置的供电。

General

The isolation transformer and compensator manufactured by Shanghai Quanli company are indoor air self-cooling ones, which is available in the circuit of AC 50Hz and voltage less than 1000V. It is widely used as the power source in lighting machinery equipment, mechanical electronce device and rectifying device.

Input/output voltage of all transformers can be made according to order. Number of phase has three-phase and single phase, or three-phase input with single-phase/twophase output, etc. The max. Rated power will be up to 500KVA.

Application

It is available in the electric supplying of electronic instruments, machinery equipment, lighting, rectifying device etc.